

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A computer-implemented method for providing access to instrumentation data from within a managed code runtime environment, ~~wherein the managed code runtime environment provides a common language runtime engine that compiles the intermediate language of an application to produce native machine instructions~~, the method comprising:

providing an application written in a runtime-aware programming language;  
executing the application in a an instrumentation client API within said runtime environment having a runtime engine, wherein there is a defined contract of operation between the executing application and the runtime engine to delegate certain application tasks to the runtime engine that enable the runtime engine to service requests from the executing application at runtime, including requests for instrumentation data representing management information about other applications and devices available outside the runtime environment;

receiving a request at the runtime engine from the executing application for instrumentation data available outside said runtime environment, the request including a path of an instrumentation data object for accessing the instrumentation data, options used to retrieve the instrumentation data object, and an identification of a parent of the instrumentation data object;

transmitting [[a]] the request for said instrumentation data to an instrumentation data source external to said runtime environment, using the instrumentation client API;

receiving a response to said request [[to]] from said instrumentation data source;

converting said response to a format that is compatible with said runtime environment;

and

responding to said request for instrumentation data with said converted response.

2. (Canceled)

3. (Currently amended) The method of Claim 1, wherein converting said response comprises converting ~~a component object model~~ the instrumentation data object to a management object that is compatible with said runtime ~~computing~~ environment.

4. (Currently amended) The method of Claim 3, wherein said management object encapsulates [[the]] properties of ~~a management~~ the instrumentation data object accessible through said instrumentation data source, including properties representing the path of the instrumentation data object for accessing the instrumentation data, the options used to retrieve the instrumentation data object, and the identification of the parent of the instrumentation data object.

5. (Currently amended) The method of Claim [[1]] 3, wherein said response comprises an indication that an operation was unsuccessful and wherein converting said response to said format comprises generating a management exception object.

6. (Original) The method of Claim 5, wherein said indication that an operation was unsuccessful comprises error codes.

7. (Previously presented) A computer-readable medium comprising instructions which, when executed by a computer, cause the computer to perform the method of any one of Claim 1 and 3-6.

8. (Previously presented) A computer-controlled apparatus capable of performing the method of any one of Claim 1 and 3-6.

9. (Currently amended) A computer-implemented method for accessing instrumentation data from within a ~~managed code~~ runtime environment, wherein the ~~managed code~~ runtime environment provides a ~~common language~~ runtime engine that compiles the intermediate language of an a managed code an application encoded in a runtime-aware language to produce native machine instructions into executable code, the method comprising:

receiving a request from the application for to construct a management object comprising said instrumentation data representing management information about other applications and devices available outside the runtime environment, the request comprising a path of an instrumentation data object for accessing said instrumentation data, options used to retrieve the instrumentation data object, and a namespace of the instrumentation data object;

in response to said request, querying for said instrumentation data[[],] using an instrumentation client API within said runtime environment the path of said instrumentation data object for accessing said instrumentation data;

determining whether said instrumentation data was successfully returned; and

in response to determining that said instrumentation data was successfully returned, constructing said a management object in the runtime environment and populating said management object with said instrumentation data.

10. (Currently amended) The method of Claim 9, wherein said request comprises a request to constructing said management object in the runtime environment and populating said management object with said instrumentation data includes bind a binding an instance of a management object class to an instance of a management said instrumentation data object accessible through a management for accessing said instrumentation data source.

11. (Currently amended) The method of Claim 10, wherein said request further comprises comprising constructing a management scope object identifying [[a]] the namespace associated with said external management instrumentation data object for accessing said instrumentation data.

12. (Currently amended) The method of Claim [[11]] 10, wherein said request further comprises comprising constructing a management path object identifying [[a]] the path to said external management instrumentation data object.

13. (Currently amended) The method of Claim [[12]] 10, ~~wherein said request further comprises comprising constructing~~ a management options object specifying the options to be utilized when connecting to ~~retrieve~~ said management instrumentation data object for accessing said instrumentation data.

14. (Original) The method of Claim 10, further comprising:

throwing a management exception object in response to determining that said instrumentation data was not successfully returned.

15. (Currently amended) The method of Claim [[14]] 10, wherein [[the]] properties of said management object may be accessed utilizing an indexer.

16. (Original) A computer-readable medium comprising instructions which, when executed by a computer, cause the computer to perform the method of any one of Claims 9-15.

17. (Original) A computer-controlled apparatus capable of performing the method of any one of Claims 9-15.

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